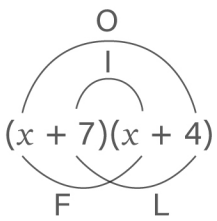
Multiplying Binomials FOIL Method



MATH MONKS

Find each product using FOIL method.

1. (k + 7)(k - 4)

2. (d + 1)(d + 7)

3. (m - 3)(m + 8)

4. $(x - 2)(x + 5)$

5. (m + 6)(m - 3)

6. $(2y + 1)(2y + 1)$

7. (n + 6)(3n + 2)

8. (3s + 2)(s - 3)

9. (m + 2)(2m + 1)

10. (z + 8)(-z - 2)

11. (d - 4)(2d + 3)

12. $(x - 5)(x + 7)$

13. (6d - 4)(d + 6)

14. (b - 3)(b + 9)

15. (t + 9)(2t - 3)

16. (s + 9)(s - 12)

17. (m + 10)(m - 7)

18. $(y - 2)(y - 1)$

19. (z - 2)(z + 4)

20. (p - 1)(p - 1)

21. (k - 8)(k + 5)

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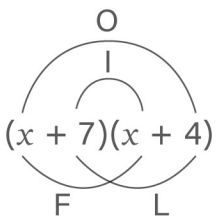

MATH MONKS

Answers

1. (k + 7)(k - 4)

   $k^2 + 3k - 28$

2. (d + 1)(d + 7)

   $d^2 - 6d - 7$

3. (m - 3)(m + 8)

   $m^2 + 5m - 24$

4. $(x - 2)(x + 5)$

   $x^2 + 3x - 10$

5. (m + 6)(m - 3)

   $m^2 + 3m - 18$

6. $(2y + 1)(2y + 1)$

   $4y^2 + 4y + 1$

7. (n + 6)(3n + 2)

   $3n^2 + 20n + 12$

8. (3s + 2)(s - 3)

   $3s^2 - 7s - 6$

9. (m + 2)(2m + 1)

   $2m^2 + 5m + 2$

10. (z + 8)(-z - 2)

    $-z^2 - 10z - 16$

11. (d - 4)(2d + 3)

    $2d^2 - 5d - 12$

12. $(x - 5)(x + 7)$

    $x^2 + 2x - 35$

13. (6d - 4)(d + 6)

    $6d^2 + 32d - 24$

14. (b - 3)(b + 9)

    $b^2 + 6b - 27$

15. (t + 9)(2t - 3)

    $2t^2 + 15t - 27$

16. (s + 9)(s - 12)

    $s^2 - 3s - 108$

17. (m + 10)(m - 7)

    $m^2 + 3m - 70$

18. $(y - 2)(y - 1)$

    $y^2 - 3y + 2$

19. (z - 2)(z + 4)

    $z^2 + 2z - 8$

20. (p - 1)(p - 1)

    $p^2 - 2p + 1$

21. (k - 8)(k + 5)

    $k^2 - 3k - 40$